```
chain nodes :
19
ring nodes :
1    2    3    4    5    6    7    8    9    10    11    12    13    14    15    20    21    22    23    24    25
chain bonds :
11-19    19-20
ring bonds :
1-2    1-6    2-3    3-4    4-5    5-6    5-7    6-11    7-8    8-9    9-10    9-12    10-11    10-15    12-13
13-14    14-15    20-21    20-25    21-22    22-23    23-24    24-25
exact/norm bonds :
5-7    6-11    7-8    8-9    10-11    11-19    19-20
normalized bonds :
1-2    1-6    2-3    3-4    4-5    5-6    9-10    9-12    10-15    12-13    13-14    14-15    20-21    20-25
21-22    22-23    23-24    24-25
isolated ring systems :
containing 1 :
```

G1:C, N

```
Match level:
1:Atom 2:Atom 3:Atom 4:Atom 5:Atom 6:Atom 7:Atom 8:Atom 9:Atom 10:Atom
11:Atom 12:Atom 13:Atom 14:Atom 15:Atom 19:CLASS 20:Atom 21:Atom 22:Atom
23:Atom 24:Atom
25:Atom
```

L1 STRUCTURE UPLOADED

```
chain nodes :
19
ring nodes :
1 \quad \overset{.}{2} \quad 3 \quad 4 \quad 5 \quad 6 \quad 7 \quad 8 \quad 9 \quad 10 \quad 11 \quad 12 \quad 13 \quad 14 \quad 15 \quad 20 \quad 21 \quad 22 \quad 23 \quad 24 \quad 25
chain bonds :
11-19 19-20
ring bonds :
1-2 1-6 2-3 3-4 4-5 5-6 5-7 6-11 7-8 8-9 9-10 9-12 10-11 10-15 12-13
13-14 14-15 20-21 20-25 21-22 22-23 23-24 24-25
exact/norm bonds :
5-7 6-11 7-8 8-9 10-11 11-19 19-20
normalized bonds :
1-2 \quad 1-6 \quad 2-3 \quad 3-4 \quad 4-5 \quad 5-6 \quad 9-10 \quad 9-12 \quad 10-15 \quad 12-13 \quad 13-14 \quad 14-15 \quad 20-21 \quad 20-25
21-22 22-23 23-24 24-25
isolated ring systems :
containing 1 : 20 :
```

G1:C, N

Match level:
1:Atom 2:Atom 3:Atom 4:Atom 5:Atom 6:Atom 7:Atom 8:Atom 9:Atom 10:Atom 11:Atom 12:Atom 13:Atom 14:Atom 15:Atom 19:CLASS 20:Atom 21:Atom 22:Atom

23:Atom 24:Atom

25:Atom

L1

L4 STRUCTURE UPLOADED

FILE 'REGISTRY' ENTERED AT 12:16:43 ON 19 MAR 2008 STRUCTURE UPLOADED

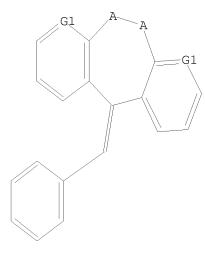
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L2 889 S L1 SSS FULL
              STRUCTURE UPLOADED
L4
L5
           714 S L4 SSS FULL SUB=L2
          175 S L2 NOT L5
L6
    FILE 'CAPLUS' ENTERED AT 12:18:30 ON 19 MAR 2008
L7
             8 S L6
             1 S US200!-517010/APPS
L8
L9
             1 S L7 AND L8
            7 S L7 NOT L8
L10
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FILE 'REGISTRY' ENTERED AT 12:19:09 ON 19 MAR 2008

=> d 11

L1 HAS NO ANSWERS

L1 STR



G1 C,N

Structure attributes must be viewed using STN Express query preparation.

=> d 14

L4 HAS NO ANSWERS

L4 STR

Structure attributes must be viewed using STN Express query preparation.

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L9 ANSWER 1 OF 1 CAPLUS COPYRIGHT 2008 ACS on STN
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AN 2004:515475 CAPLUS <<LOGINID::20080319>>

DN 141:71360

G1 C, N

TI Preparation of derivatives of and analogs of dibenzosuberone for use in pharmaceutical compositions as steroid hormone nuclear receptor modulators

IN Coghlan, Michael Joseph; Green, Jonathan Edward; Grese, Timothy Alan; Jadhav, Prabhakar Kondaji; Matthews, Donald Paul; Steinberg, Mitchell Irvin; Fales, Kevin Robert; Bell, Michael Gregory

PA Eli Lilly and Company, USA

SO PCT Int. Appl., 457 pp. CODEN: PIXXD2

DT Patent

LA English

FAN.CNT 1

	PA7	CENT 1	NO.			KIND DATE				j	APPL	ICAT	ION 1		DATE					
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		2003.								AU 2003-302220 BR 2003-12095										
	BR	2003	0120	95		А		2005	0329						20030613					
	EΡ	1519915				A2 20050406			EP 2003-810038						20030613					
		R:							FR,	•								PT,		
			ΙE,	SI,	LT,	LV,	FΙ,	RO,	MK,	CY,	AL,	TR,	BG,	CZ,	EE,	HU,	SK			
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	JΡ	2005	88		Τ		2005	1222		JP 2004-559025					20030613					
	US	2006	0637	59		A1		2006	0323	US 2004-517010						20041203 <				

	IN 2004KN01910	А	20070126	IN 2004-KN1910	20041213
	MX 2004PA12998	A	20050516	MX 2004-PA12998	20041217
	ZA 2004010293	A	20060222	ZA 2004-10293	20041221
	NO 2005000397	А	20050304	NO 2005-397	20050125
PRAI	US 2002-391992P	Р	20020626		
	WO 2003-US16213	W	20030613		
OS	MARPAT 141:71360				
GT					

Dibenzosuberone derivs., such as I [X = CH2; R, R1 = H, OH, CN, halogen, AB alkoxy, sulfonylamino, amino, etc.; R2 = aryl, heteroaryl; R3 = H, alkyl], and heterocyclic analogs thereof, such as I [X = 0, S, NH, NMe, etc.], were prepared for therapeutic use in the treatment of pathol. disorders susceptible to steroid hormone nuclear receptor modulation. These compds. are claimed for use the treatment of disorders, such as Conn's Syndrome, primary and secondary hyperaldosteronism, increased sodium retention, increased magnesium and potassium excretion (diuresis), increased water retention, hypertension (isolated systolic and combined systolic/diastolic), arrhythmias, myocardial fibrosis, myocardial infarction, Bartter's Syndrome, disorders associated with excess catecholamine levels, diastolic and systolic. congestive heart failure (CHF), psychoses, cognitive disorders, memory disturbances, depression, bipolar disorder, anxiety disorders, personality disorders, breast cancer, peripheral vascular disease, diabetic nephropathy, cirrhosis with edema and ascites, esophageal varicies, Addison's Disease, muscle weakness, increased melan in pigmentation of the skin, weight loss, hypotension, hypoglycemia, Cushing's Syndrome, obesity, hypertension, glucose intolerance, hyperglycemia, diabetes mellitus, osteoporosis, polyuria, polydipsia, inflammation, rheumatoid arthritis, asthma, or chronic obstructive pulmonary disease,. Diastolic or systolic congestive heart failure, autoimmune disorders, tissue rejection associated with organ transplant, malignancies such as leukemias and lymphomas, acute adrenal insufficiency, congenital adrenal hyperplasia, rheumatic fever, polyarteritis nodosa, granulomatous polyarteritis, inhibition of myeloid cell lines, immune proliferation/apoptosis, HPA axis suppression and regulation, hypercortisolemia, modulation of the Thl/Th2 cytokine balance, chronic kidney disease, stroke and spinal cord injury, hypercalcemia, hypergylcemia, acute adrenal insufficiency, chronic primary adrenal insufficiency, secondary adrenal insufficiency, congenital adrenal hyperplasia, cerebral edema, thrombocytopenia, and Little's syndrome, systemic inflammation, inflammatory bowel disease, systemic lupus erythematosus, discoid lupus erythematosus, polyartitis nodosa, Wegener's granulomatosis, giant cell arthritis, rheumatoid arthritis, osteoarthritis, hay fever, allergic rhinitis, contact dermatitis, atopic

dermatitis, exfoliative dermatitis, urticaria, angioneurotic edema, chronic obstructive pulmonary disease, asthma, tendonitis,. Bursitis, Crohn's disease, ulcerative colitis, autoimmune chronic active hepatitis, hepatitis, cirrhosis, inflammatory scalp alopecia, panniculitis, psoriasis, inflamed cysts, pyoderma gangrenosum, pemphigus vulgaris, bullous pemphigoid, dermatomyositis, eosinophilic fasciitis, relapsing polychondritis, inflammatory vasculitis, sarcoidosis, Sweet's disease, type 1 reactive leprosy, capillary hemangiomas, lichen planus,, erythema nodosum, acne, hirsutism, toxic epidermal necrolysis, erythema multiform, cutaneous T-cell lymphoma, emphysema, Alzheimer's Disease, and multipie sclerosis. Thus, dibenzosuberone derivative II (R = NHMe) was prepared with

yield via reaction of the corresponding sulfonyl chloride II (R = Cl) with MeNH2 in THF. The prepared dibenzosuberone derivs. and analogs were assayed for mineralocorticoid and glucocorticoid receptor binding.

=> d l10 tot bib abs hitstr

- L10 ANSWER 1 OF 7 CAPLUS COPYRIGHT 2008 ACS on STN
- ΝA
- DN 144:184724
- Compounds as modulators of steroid hormone nuclear receptors ΤI
- ΙN Michellys, Pierre-Yves; Petrassi, H. Michael; Richmond, Wendy; Pei, Wei
- IRM LLC, Bermuda
- PCT Int. Appl., 135 pp. SO CODEN: PIXXD2
- DT Patent
- LA English

48%

FAN.			NO.			KIN	D	DATE				ICAT	DATE							
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The invention provides compds., pharmaceutical compns. comprising such AB compds. and methods of using such compds. to treat or prevent diseases or disorders associated with the activation of steroid hormone nuclear

receptors.

IT 875437-10-8P 875437-11-9P 875437-12-0P
875437-13-1P 875437-14-2P 875437-15-3P
875437-16-4P 875437-17-5P 875437-18-6P
875437-19-7P 875437-20-0P 875437-22-2P
RL: PAC (Pharmacological activity); SPN (Synthetic preparation); THU

RL: PAC (Pharmacological activity); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)

(steroid hormone nuclear receptors modulators for disease therapy)

RN 875437-10-8 CAPLUS

CN 2H-1,4-Benzoxazin-3(4H)-one, 6-[(10,11-dihydro-5H-dibenzo[a,d]cyclohepten-5-ylidene)methyl]- (CA INDEX NAME)

RN 875437-11-9 CAPLUS

CN 2H-1,4-Benzoxazin-3(4H)-one, 6-[(10,11-dihydro-5H-dibenzo[a,d]cyclohepten-5-ylidene)methyl]-8-fluoro- (CA INDEX NAME)

RN 875437-12-0 CAPLUS

CN 2H-1,4-Benzoxazin-3(4H)-one, 6-[(10,11-dihydro-5H-dibenzo[a,d]cyclohepten-5-ylidene)methyl]-8-methyl- (CA INDEX NAME)

RN 875437-13-1 CAPLUS

CN 2H-1,4-Benzoxazin-3(4H)-one, 6-[(Z)-[10,11-dihydro-2-(phenylmethoxy)-5H-dibenzo[a,d]cyclohepten-5-ylidene]methyl]- (9CI) (CA INDEX NAME)

Double bond geometry as shown.

RN 875437-14-2 CAPLUS

CN 2H-1, 4-Benzoxazin-3(4H)-one, 6-[(E)-[10,11-dihydro-2-(phenylmethoxy)-5H-dibenzo[a,d]cyclohepten-5-ylidene]methyl]- (9CI) (CA INDEX NAME)

Double bond geometry as shown.

RN 875437-15-3 CAPLUS

CN 2H-1, 4-Benzoxazin-3(4H)-one, 6-[(Z)-[10,11-dihydro-2-(phenylmethoxy)-5H-dibenzo[a,d]cyclohepten-5-ylidene]methyl]-8-methyl- (9CI) (CA INDEX NAME)

Double bond geometry as shown.

RN 875437-16-4 CAPLUS

CN 2H-1, 4-Benzoxazin-3(4H)-one, 6-[(E)-[10,11-dihydro-2-(phenylmethoxy)-5H-dibenzo[a,d]cyclohepten-5-ylidene]methyl]-8-methyl- (9CI) (CA INDEX NAME)

Double bond geometry as shown.

RN 875437-17-5 CAPLUS

CN 2H-1,4-Benzoxazin-3(4H)-one, 6-[1-(10,11-dihydro-5H-dibenzo[a,d]cyclohepten-5-ylidene)propyl]-8-methyl- (CA INDEX NAME)

RN 875437-18-6 CAPLUS

CN 2H-1,4-Benzoxazin-3(4H)-one, 6-[(E)-(10,11-dihydro-2-hydroxy-5H-dibenzo[a,d]cyclohepten-5-ylidene)methyl]-8-methyl- (CA INDEX NAME)

Double bond geometry as shown.

RN 875437-19-7 CAPLUS

CN 2H-1,4-Benzothiazin-3(4H)-one, 6-[(10,11-dihydro-5H-dibenzo[a,d]cyclohepten-5-ylidene)methyl]- (CA INDEX NAME)

RN 875437-20-0 CAPLUS

CN 2H-1,4-Benzoxazin-3(4H)-one, 6-[(10,11-dihydro-5H-dibenzo[a,d]cyclohepten-5-ylidene)methyl]-2,2-dimethyl- (CA INDEX NAME)

RN 875437-22-2 CAPLUS

CN 2H-1,4-Benzoxazin-3(4H)-one, 6-[(2-fluoro-8-methoxydibenz[b,e]oxepin-

IT 875437-10-8D, hydrates, solvates and isomers 875437-11-9D, hydrates, solvates and isomers 875437-12-0D, hydrates, solvates and isomers 875437-13-1D, hydrates, solvates and isomers 875437-14-2D, hydrates, solvates and isomers 875437-15-3D, hydrates, solvates and isomers 875437-16-4D, hydrates, solvates and isomers 875437-17-5D, hydrates, solvates and isomers 875437-18-6D, hydrates, solvates and isomers 875437-19-7D, hydrates, solvates and isomers 875437-20-0D, hydrates, solvates and isomers 875437-22-2D, hydrates, solvates and isomers RL: PAC (Pharmacological activity); THU (Therapeutic use); BIOL (Biological study); USES (Uses)

(steroid hormone nuclear receptors modulators for disease therapy) 875437-10-8 CAPLUS

2H-1,4-Benzoxazin-3(4H)-one, 6-[(10,11-dihydro-5H-dibenzo[a,d]cyclohepten-5-ylidene)methyl]- (CA INDEX NAME)

RN

CN

RN 875437-11-9 CAPLUS

CN 2H-1,4-Benzoxazin-3(4H)-one, 6-[(10,11-dihydro-5H-dibenzo[a,d]cyclohepten-5-ylidene)methyl]-8-fluoro- (CA INDEX NAME)

RN 875437-12-0 CAPLUS

CN 2H-1,4-Benzoxazin-3(4H)-one, 6-[(10,11-dihydro-5H-dibenzo[a,d]cyclohepten-5-ylidene)methyl]-8-methyl- (CA INDEX NAME)

RN 875437-13-1 CAPLUS

CN 2H-1, 4-Benzoxazin-3(4H)-one, 6-[(Z)-[10,11-dihydro-2-(phenylmethoxy)-5H-dibenzo[a,d]cyclohepten-5-ylidene]methyl]- (9CI) (CA INDEX NAME)

Double bond geometry as shown.

RN 875437-14-2 CAPLUS

CN 2H-1,4-Benzoxazin-3(4H)-one, 6-[(E)-[10,11-dihydro-2-(phenylmethoxy)-5H-dibenzo[a,d]cyclohepten-5-ylidene]methyl]- (9CI) (CA INDEX NAME)

RN 875437-15-3 CAPLUS

CN 2H-1, 4-Benzoxazin-3(4H)-one, 6-[(Z)-[10,11-dihydro-2-(phenylmethoxy)-5H-dibenzo[a,d]cyclohepten-5-ylidene]methyl]-8-methyl- (9CI) (CA INDEX NAME)

Double bond geometry as shown.

RN 875437-16-4 CAPLUS

CN 2H-1, 4-Benzoxazin-3 (4H) -one, 6-[(E)-[10,11-dihydro-2-(phenylmethoxy)-5H-dibenzo[a,d]cyclohepten-5-ylidene]methyl]-8-methyl- (9CI) (CA INDEX NAME)

RN 875437-17-5 CAPLUS

CN 2H-1,4-Benzoxazin-3(4H)-one, 6-[1-(10,11-dihydro-5H-dibenzo[a,d]cyclohepten-5-ylidene)propyl]-8-methyl- (CA INDEX NAME)

RN 875437-18-6 CAPLUS

CN 2H-1,4-Benzoxazin-3(4H)-one, 6-[(E)-(10,11-dihydro-2-hydroxy-5H-dibenzo[a,d]cyclohepten-5-ylidene)methyl]-8-methyl- (CA INDEX NAME)

Double bond geometry as shown.

RN 875437-19-7 CAPLUS

CN 2H-1,4-Benzothiazin-3(4H)-one, 6-[(10,11-dihydro-5H-dibenzo[a,d]cyclohepten-5-ylidene)methyl]- (CA INDEX NAME)

RN 875437-20-0 CAPLUS

CN 2H-1, 4-Benzoxazin-3(4H)-one, 6-[(10,11-dihydro-5H-dibenzo[a,d]cyclohepten-5-ylidene)methyl]-2,2-dimethyl- (CA INDEX NAME)

RN 875437-22-2 CAPLUS

CN 2H-1,4-Benzoxazin-3(4H)-one, 6-[(2-fluoro-8-methoxydibenz[b,e]oxepin-11(6H)-ylidene)methyl]-2,2,8-trimethyl- (CA INDEX NAME)

L10 ANSWER 2 OF 7 CAPLUS COPYRIGHT 2008 ACS on STN

AN 2005:638871 CAPLUS <<LOGINID::20080319>>

DN 143:153374

TI Preparation of tricyclic steroid hormone nuclear receptor modulators

IN Gavardinas, Konstantinos; Green, Jonathan Edward; Jadhav, Prabhakar
Kondaji; Matthews, Donald P.

PA Eli Lilly and Company, USA

SO PCT Int. Appl., 83 pp.

CODEN: PIXXD2

DT Patent

LA English

FAN.CNT 1

1111, 0111																		
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ΡI	WO 2005066161				A1 20050721			WO 2004-US38233						20041208				
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                                                                   20041208
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                                          NO 2006-3329
                         Α
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                                                                  20060718
PRAI US 2003-531283P
                         Ρ
                                20031219
     WO 2004-US38233
                        W
                               20041208
     CASREACT 143:153374; MARPAT 143:153374
OS
GT
* STRUCTURE DIAGRAM TOO LARGE FOR DISPLAY - AVAILABLE VIA OFFLINE PRINT *
     Title compds. I [Y = CH2, O; R1-2 = H, F; R3 = Z-amino, Z-heterocyclyl; Z
     = divalent alkyl; with some specific exceptions] are prepared For instance,
     II is prepared from (E)-11-bromomethylene-3-fluoro-6,11-
     dihydrodibenzo[b,e]oxepine (preparation given) and
1-(1,1-dimethyl-2-(morpholin-
     4-y1) ethyl) -5-(4,4,5,5-tetramethyl-[1,3,2]dioxaborolan-2-yl)-1,3-
     dihydrobenzimidazol-2-one (preparation given) (dioxane, Na2CO3, [Ph3P]4Pd,
     90-100°, 5 days). II has Ki \le 500 nM for the
     mineralocorticoid receptor and Ki \leq 1,000 nM for the glucocorticoid
     receptor. I are useful for the treatment of congestive heart disease,
     hypertension, rheumatoid arthritis or inflammation.
    710344-06-2P 860009-94-5P 860009-95-6P
     860009-96-7P 860009-97-8P 860009-98-9P
     860009-99-0P 860010-00-0P 860010-01-1P
     860010-02-2P 860010-03-3P 860010-04-4P
     860010-05-5P 860010-06-6P 860010-07-7P
     860010-08-8P 860010-09-9P 860010-10-2P
     860010-11-3P 860010-12-4P 860010-13-5P
     860010-14-6P 860010-15-7P 860010-16-8P
     860010-17-9P 860010-19-1P 860010-21-5P
     860010-23-7P 860010-25-9P 860010-26-0P
     860010-27-1P 860010-28-2P 860010-29-3P
     860010-30-6P 860010-32-8P 860010-34-0P
     860010-36-2P 860010-38-4P 860010-40-8P
     860010-42-0P 860010-44-2P 860010-45-3P
     860010-46-4P 860010-48-6P 860010-50-0P
     860010-52-2P 860010-53-3P 860010-54-4P
     860010-55-5P 860010-56-6P 860010-57-7P
     860010-58-8P 860010-59-9P 860010-60-2P
     860010-61-3P 860010-62-4P 860010-63-5P
     860010-64-6P 860010-65-7P 860010-66-8P
     RL: PAC (Pharmacological activity); SPN (Synthetic preparation); THU
     (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES
     (Uses)
```

(preparation of benzimidazolone-substituted tricyclic steroid hormone

nuclear receptor modulators)

RN 710344-06-2 CAPLUS

CN 2H-Benzimidazol-2-one, 5-[(2,8-difluoro-10,11-dihydro-5H-dibenzo[a,d]cyclohepten-5-ylidene)methyl]-1,3-dihydro-1-[3-(4-morpholinyl)propyl]- (CA INDEX NAME)

RN 860009-94-5 CAPLUS

CN 2H-Benzimidazol-2-one, 1-[1,1-dimethyl-2-(4-morpholinyl)ethyl]-5-[(E)-(3-fluorodibenz[b,e]oxepin-11(6H)-ylidene)methyl]-1,3-dihydro- (CA INDEX NAME)

Double bond geometry as shown.

RN 860009-95-6 CAPLUS

CN 2H-Benzimidazol-2-one, 5-[(E)-(3,7-difluorodibenz[b,e]oxepin-11(6H)-ylidene)methyl]-1,3-dihydro-1-(1-methyl-4-piperidinyl)- (CA INDEX NAME)

RN 860009-96-7 CAPLUS

CN 2H-Benzimidazol-2-one, 5-[(E)-(3-fluorodibenz[b,e]oxepin-11(6H)-ylidene)methyl]-1,3-dihydro-1-(1-methyl-4-piperidinyl)- (CA INDEX NAME)

Double bond geometry as shown.

RN 860009-97-8 CAPLUS

CN 2H-Benzimidazol-2-one, 5-[(E)-(3,8-difluorodibenz[b,e]oxepin-11(6H)-ylidene)methyl]-1,3-dihydro-1-(1-methyl-4-piperidinyl)- (CA INDEX NAME)

RN 860009-98-9 CAPLUS

CN 2H-Benzimidazol-2-one, 5-[(E)-(3,8-difluorodibenz[b,e]oxepin-11(6H)-ylidene)methyl]-1-[(3R)-1-ethyl-3-pyrrolidinyl]-1,3-dihydro- (CA INDEX NAME)

Absolute stereochemistry. Double bond geometry as shown.

RN 860009-99-0 CAPLUS

CN 2H-Benzimidazol-2-one, 1-[2-(dimethylamino)ethyl]-5-[(E)-(3-fluorodibenz[b,e]oxepin-11(6H)-ylidene)methyl]-1,3-dihydro- (CA INDEX NAME)

RN 860010-00-0 CAPLUS

CN 2H-Benzimidazol-2-one, 5-[(E)-(3-fluorodibenz[b,e]oxepin-11(6H)-ylidene)methyl]-1,3-dihydro-1-[3-(4-methyl-1-piperazinyl)propyl]- (CA INDEX NAME)

Double bond geometry as shown.

RN 860010-01-1 CAPLUS

CN 2H-Benzimidazol-2-one, 5-[(E)-(3-fluorodibenz[b,e]oxepin-11(6H)-ylidene)methyl]-1,3-dihydro-1-[2-(4-methyl-1-piperazinyl)ethyl]- (CA INDEX NAME)

Double bond geometry as shown.

RN 860010-02-2 CAPLUS

CN 2H-Benzimidazol-2-one, 5-[(E)-(3-fluorodibenz[b,e]oxepin-11(6H)-ylidene)methyl]-1,3-dihydro-1-(3S)-3-pyrrolidinyl-, monohydrochloride (9CI) (CA INDEX NAME)

● HCl

RN 860010-03-3 CAPLUS

CN 2H-Benzimidazol-2-one, 5-[(E)-(3-fluorodibenz[b,e]oxepin-11(6H)-ylidene)methyl]-1,3-dihydro-1-[(1R)-1-methyl-2-(4-morpholinyl)ethyl]- (CA INDEX NAME)

Absolute stereochemistry. Double bond geometry as shown.

RN 860010-04-4 CAPLUS

CN 2H-Benzimidazol-2-one, 5-[(E)-(3-fluorodibenz[b,e]oxepin-11(6H)-ylidene)methyl]-1,3-dihydro-1-[(1S)-1-methyl-2-(4-morpholinyl)ethyl]- (CA INDEX NAME)

RN 860010-05-5 CAPLUS

CN 2H-Benzimidazol-2-one, 5-[(E)-(3-fluorodibenz[b,e]oxepin-11(6H)-ylidene)methyl]-1,3-dihydro-1-(4-piperidinyl)-, monohydrochloride (9CI) (CA INDEX NAME)

Double bond geometry as shown.

● HCl

RN 860010-06-6 CAPLUS

CN 2H-Benzimidazol-2-one, 1-[2-[(2S,6R)-2,6-dimethyl-4-morpholinyl]ethyl]-5-[(E)-(3-fluorodibenz[b,e]oxepin-11(6H)-ylidene)methyl]-1,3-dihydro- (CA INDEX NAME)

RN 860010-07-7 CAPLUS

CN 2H-Benzimidazol-2-one, 5-[(E)-(3-fluorodibenz[b,e]oxepin-11(6H)-ylidene)methyl]-1,3-dihydro-1-[2-(1-piperazinyl)ethyl]- (CA INDEX NAME)

Double bond geometry as shown.

RN 860010-08-8 CAPLUS

CN 2H-Benzimidazol-2-one, 5-[(E)-(3-fluorodibenz[b,e]oxepin-11(6H)-ylidene)methyl]-1,3-dihydro-1-(3-pyrrolidinyl)-, monohydrochloride (9CI) (CA INDEX NAME)

● HCl

RN 860010-09-9 CAPLUS

CN 2H-Benzimidazol-2-one, 1-(3-azetidinyl)-5-[(E)-(3-fluorodibenz[b,e]oxepin-11(6H)-ylidene)methyl]-1,3-dihydro-, monohydrochloride (9CI) (CA INDEX NAME)

Double bond geometry as shown.

● HCl

RN 860010-10-2 CAPLUS

CN 2H-Benzimidazol-2-one, 5-[(E)-(3-fluorodibenz[b,e]oxepin-11(6H)-ylidene)methyl]-1,3-dihydro-1-[(2S)-2-pyrrolidinylmethyl]-, monohydrochloride (9CI) (CA INDEX NAME)

● HCl

RN 860010-11-3 CAPLUS

CN 2H-Benzimidazol-2-one, 5-[(E)-(3-fluorodibenz[b,e]oxepin-11(6H)-ylidene)methyl]-1,3-dihydro-1-[(2R)-2-pyrrolidinylmethyl]-, monohydrochloride (9CI) (CA INDEX NAME)

Absolute stereochemistry. Double bond geometry as shown.

● HCl

RN 860010-12-4 CAPLUS

CN 2H-Benzimidazol-2-one, 5-[(E)-(3,8-difluorodibenz[b,e]oxepin-11(6H)-ylidene)methyl]-1,3-dihydro-1-[2-(4-methyl-1-piperazinyl)ethyl]- (CA INDEX NAME)

RN 860010-13-5 CAPLUS

CN 2H-Benzimidazol-2-one, 5-[(E)-(3,8-difluorodibenz[b,e]oxepin-11(6H)-ylidene)methyl]-1,3-dihydro-1-[2-(1-pyrrolidinyl)ethyl]- (CA INDEX NAME)

Double bond geometry as shown.

RN 860010-14-6 CAPLUS

CN 2H-Benzimidazol-2-one, 5-[(E)-(3,8-difluorodibenz[b,e]oxepin-11(6H)-ylidene)methyl]-1,3-dihydro-1-[(1R)-1-methyl-2-(4-morpholinyl)ethyl]- (CA INDEX NAME)

RN 860010-15-7 CAPLUS

CN 2H-Benzimidazol-2-one, 5-[(E)-(3,8-difluorodibenz[b,e]oxepin-11(6H)-ylidene)methyl]-1,3-dihydro-1-[(1S)-1-methyl-2-(4-morpholinyl)ethyl]- (CA INDEX NAME)

Absolute stereochemistry. Double bond geometry as shown.

RN 860010-16-8 CAPLUS

CN 2H-Benzimidazol-2-one, 5-[(E)-(3,8-difluorodibenz[b,e]oxepin-11(6H)-ylidene)methyl]-1-[1,1-dimethyl-2-(4-morpholinyl)ethyl]-1,3-dihydro- (CA INDEX NAME)

RN 860010-17-9 CAPLUS

CN 2H-Benzimidazol-2-one, 5-[(E)-(3,8-difluorodibenz[b,e]oxepin-11(6H)-ylidene)methyl]-1-[2-[(2S,6R)-2,6-dimethyl-4-morpholinyl]-1,1-dimethylethyl]-1,3-dihydro- (CA INDEX NAME)

Absolute stereochemistry. Double bond geometry as shown.

RN 860010-19-1 CAPLUS

CN 2H-Benzimidazol-2-one, 5-[(E)-(3,8-difluorodibenz[b,e]oxepin-11(6H)-ylidene)methyl]-1,3-dihydro-1-[3-(4-morpholinyl)propyl]- (CA INDEX NAME)

RN 860010-21-5 CAPLUS

CN 2H-Benzimidazol-2-one, 5-[(E)-(3,8-difluorodibenz[b,e]oxepin-11(6H)-ylidene)methyl]-1,3-dihydro-1-[2-(1-piperazinyl)ethyl]- (CA INDEX NAME)

Double bond geometry as shown.

RN 860010-23-7 CAPLUS

CN 2H-Benzimidazol-2-one, 5-[(E)-(3,8-difluorodibenz[b,e]oxepin-11(6H)-ylidene)methyl]-1,3-dihydro-1-(4-piperidinyl)-, monohydrochloride (9CI) (CA INDEX NAME)

● HCl

RN 860010-25-9 CAPLUS

CN 2H-Benzimidazol-2-one, 5-[(E)-(3,8-difluorodibenz[b,e]oxepin-11(6H)-ylidene)methyl]-1,3-dihydro-1-(3S)-3-pyrrolidinyl- (9CI) (CA INDEX NAME)

Absolute stereochemistry. Double bond geometry as shown.

RN 860010-26-0 CAPLUS

CN 2H-Benzimidazol-2-one, 1-(3-azetidinyl)-5-[(E)-(3,8-difluorodibenz[b,e]oxepin-11(6H)-ylidene)methyl]-1,3-dihydro-, monohydrochloride (9CI) (CA INDEX NAME)

● HCl

RN 860010-27-1 CAPLUS

CN 2H-Benzimidazol-2-one, 5-[(E)-(3,8-difluorodibenz[b,e]oxepin-11(6H)-ylidene)methyl]-1,3-dihydro-1-(3R)-3-pyrrolidinyl-, monohydrochloride (9CI) (CA INDEX NAME)

Absolute stereochemistry. Double bond geometry as shown.

● HCl

RN 860010-28-2 CAPLUS

CN 2H-Benzimidazol-2-one, 5-[(E)-(3,8-difluorodibenz[b,e]oxepin-11(6H)-ylidene)methyl]-1,3-dihydro-1-[(3S)-1-methyl-3-pyrrolidinyl]- (CA INDEX NAME)

RN 860010-29-3 CAPLUS

CN 2H-Benzimidazol-2-one, 5-[(E)-(3,8-difluorodibenz[b,e]oxepin-11(6H)-ylidene)methyl]-1-[(3S)-1-ethyl-3-pyrrolidinyl]-1,3-dihydro- (CA INDEX NAME)

Absolute stereochemistry. Double bond geometry as shown.

RN 860010-30-6 CAPLUS

CN 2H-Benzimidazol-2-one, 5-[(E)-(3,7-difluorodibenz[b,e]oxepin-11(6H)-ylidene)methyl]-1,3-dihydro-1-[2-(4-methyl-1-piperazinyl)ethyl]- (CA INDEX NAME)

RN 860010-32-8 CAPLUS

CN 2H-Benzimidazol-2-one, 5-[(E)-(3,7-difluorodibenz[b,e]oxepin-11(6H)-ylidene)methyl]-1,3-dihydro-1-[2-(1-pyrrolidinyl)ethyl]- (CA INDEX NAME)

Double bond geometry as shown.

RN 860010-34-0 CAPLUS

CN 2H-Benzimidazol-2-one, 5-[(E)-(3,7-difluorodibenz[b,e]oxepin-11(6H)-ylidene)methyl]-1,3-dihydro-1-(4-piperidinyl)- (CA INDEX NAME)

RN 860010-36-2 CAPLUS

CN 2H-Benzimidazol-2-one, 5-[(E)-(3,7-difluorodibenz[b,e]oxepin-11(6H)-ylidene)methyl]-1,3-dihydro-1-(3S)-3-pyrrolidinyl- (9CI) (CA INDEX NAME)

Absolute stereochemistry. Double bond geometry as shown.

RN 860010-38-4 CAPLUS

CN 2H-Benzimidazol-2-one, 5-[(E)-(3,7-difluorodibenz[b,e]oxepin-11(6H)-ylidene)methyl]-1,3-dihydro-1-[(1R)-1-methyl-2-(4-morpholinyl)ethyl]- (CA INDEX NAME)

RN 860010-40-8 CAPLUS

CN 2H-Benzimidazol-2-one, 5-[(E)-(3,7-difluorodibenz[b,e]oxepin-11(6H)-ylidene)methyl]-1,3-dihydro-1-[(1S)-1-methyl-2-(4-morpholinyl)ethyl]- (CA INDEX NAME)

Absolute stereochemistry. Double bond geometry as shown.

RN 860010-42-0 CAPLUS

CN 2H-Benzimidazol-2-one, 5-[(E)-(3,7-difluorodibenz[b,e]oxepin-11(6H)-ylidene)methyl]-1-[1,1-dimethyl-2-(4-morpholinyl)ethyl]-1,3-dihydro- (CA INDEX NAME)

RN 860010-44-2 CAPLUS

CN 2H-Benzimidazol-2-one, 5-[(E)-(3,7-difluorodibenz[b,e]oxepin-11(6H)-ylidene)methyl]-1-[2-[(2S,6R)-2,6-dimethyl-4-morpholinyl]ethyl]-1,3-dihydro- (CA INDEX NAME)

Absolute stereochemistry. Double bond geometry as shown.

RN 860010-45-3 CAPLUS

CN 2H-Benzimidazol-2-one, 5-[(E)-(3,7-difluorodibenz[b,e]oxepin-11(6H)-ylidene)methyl]-1,3-dihydro-1-[3-(4-morpholinyl)propyl]- (CA INDEX NAME)

RN 860010-46-4 CAPLUS

CN 2H-Benzimidazol-2-one, 5-[(E)-(3,7-difluorodibenz[b,e]oxepin-11(6H)-ylidene)methyl]-1,3-dihydro-1-[3-(1-piperazinyl)propyl]- (CA INDEX NAME)

Double bond geometry as shown.

RN 860010-48-6 CAPLUS

CN 2H-Benzimidazol-2-one, 5-[(E)-(3,7-difluorodibenz[b,e]oxepin-11(6H)-ylidene)methyl]-1-[(3S)-1-ethyl-3-pyrrolidinyl]-1,3-dihydro-, monoacetate (9CI) (CA INDEX NAME)

CM 1

CRN 860010-47-5 CMF C28 H25 F2 N3 O2

Absolute stereochemistry. Double bond geometry as shown.

CM 2

CRN 64-19-7 CMF C2 H4 O2

RN 860010-50-0 CAPLUS

CN 2H-Benzimidazol-2-one, 5-[(E)-(3,7-difluorodibenz[b,e]oxepin-11(6H)-ylidene)methyl]-1,3-dihydro-1-[(3S)-1-methyl-3-pyrrolidinyl]-, monoacetate (9CI) (CA INDEX NAME)

CM 1

CRN 860010-49-7 CMF C27 H23 F2 N3 O2

Absolute stereochemistry. Double bond geometry as shown.

CM 2

CRN 64-19-7 CMF C2 H4 O2

RN 860010-52-2 CAPLUS

CN 2H-Benzimidazol-2-one, 5-[(E)-(3,7-difluorodibenz[b,e]oxepin-11(6H)-ylidene)methyl]-1-[(3R)-1-ethyl-3-pyrrolidinyl]-1,3-dihydro-, monoacetate (9CI) (CA INDEX NAME)

CM 1

CRN 860010-51-1 CMF C28 H25 F2 N3 O2

Absolute stereochemistry. Double bond geometry as shown.

CM 2

CRN 64-19-7 CMF C2 H4 O2

RN 860010-53-3 CAPLUS

CN 2H-Benzimidazol-2-one, 5-[(E)-(3,7-difluorodibenz[b,e]oxepin-11(6H)-ylidene)methyl]-1,3-dihydro-1-[(3R)-1-methyl-3-pyrrolidinyl]- (CA INDEX NAME)

Absolute stereochemistry.

Double bond geometry as shown.

RN 860010-54-4 CAPLUS

CN 2H-Benzimidazol-2-one, 5-[(2,8-difluoro-10,11-dihydro-5H-dibenzo[a,d]cyclohepten-5-ylidene)methyl]-1,3-dihydro-1-[3-(1-piperazinyl)propyl]- (CA INDEX NAME)

RN 860010-55-5 CAPLUS

CN 2H-Benzimidazol-2-one, 5-[(2,8-difluoro-10,11-dihydro-5H-dibenzo[a,d]cyclohepten-5-ylidene)methyl]-1,3-dihydro-1-[2-(1-pyrrolidinyl)ethyl]- (CA INDEX NAME)

$$\begin{array}{c} F \\ CH \\ N \\ \end{array} \begin{array}{c} H \\ O \\ \end{array} \\ CH_2 - CH_2 - N \\ \end{array}$$

RN 860010-56-6 CAPLUS

CN 2H-Benzimidazol-2-one, 5-[(2,8-difluoro-10,11-dihydro-5H-dibenzo[a,d]cyclohepten-5-ylidene)methyl]-1-[2-(dimethylamino)ethyl]-1,3-

dihydro- (CA INDEX NAME)

RN 860010-57-7 CAPLUS

CN 2H-Benzimidazol-2-one, 5-[(2,8-difluoro-10,11-dihydro-5H-dibenzo[a,d]cyclohepten-5-ylidene)methyl]-1,3-dihydro-1-[2-(4-methyl-1-piperazinyl)ethyl]- (CA INDEX NAME)

RN 860010-58-8 CAPLUS

CN 2H-Benzimidazol-2-one, 5-[(2,8-difluoro-10,11-dihydro-5H-dibenzo[a,d]cyclohepten-5-ylidene)methyl]-1,3-dihydro-1-[(3S)-1-methyl-3-pyrrolidinyl]- (CA INDEX NAME)

Absolute stereochemistry.

RN 860010-59-9 CAPLUS

CN 2H-Benzimidazol-2-one, 5-[(2,8-difluoro-10,11-dihydro-5H-

dibenzo[a,d]cyclohepten-5-ylidene)methyl]-1-[(3S)-1-ethyl-3-pyrrolidinyl]1,3-dihydro- (CA INDEX NAME)

Absolute stereochemistry.

RN 860010-60-2 CAPLUS

CN 2H-Benzimidazol-2-one, 5-[(E)-(3,8-difluorodibenz[b,e]oxepin-11(6H)-ylidene)methyl]-1-(1-ethyl-4-piperidinyl)-1,3-dihydro- (CA INDEX NAME)

Double bond geometry as shown.

RN 860010-61-3 CAPLUS

CN 2H-Benzimidazol-2-one, 1-(1-ethyl-4-piperidinyl)-5-[(E)-(3-fluorodibenz[b,e]oxepin-11(6H)-ylidene)methyl]-1,3-dihydro- (CA INDEX NAME)

Double bond geometry as shown.

RN 860010-62-4 CAPLUS

CN 2H-Benzimidazol-2-one, 5-[(E)-(3,7-difluorodibenz[b,e]oxepin-11(6H)-ylidene)methyl]-1-(1-ethyl-4-piperidinyl)-1,3-dihydro- (CA INDEX NAME)

Double bond geometry as shown.

RN 860010-63-5 CAPLUS

CN 2H-Benzimidazol-2-one, 5-[(2,8-difluoro-10,11-dihydro-5H-dibenzo[a,d]cyclohepten-5-ylidene)methyl]-1-(1-ethyl-4-piperidinyl)-1,3-dihydro- (CA INDEX NAME)

RN 860010-64-6 CAPLUS

CN 2H-Benzimidazol-2-one, 5-[(E)-(3,7-difluorodibenz[b,e]oxepin-11(6H)-ylidene)methyl]-1,3-dihydro-1-(4-piperidinyl)-, monohydrochloride (9CI) (CA INDEX NAME)

Double bond geometry as shown.

● HCl

RN 860010-65-7 CAPLUS

CN 2H-Benzimidazol-2-one, 1-[(3R)-1-ethyl-3-pyrrolidinyl]-5-[(E)-(3-fluorodibenz[b,e]oxepin-11(6H)-ylidene)methyl]-1,3-dihydro- (CA INDEX NAME)

Absolute stereochemistry. Double bond geometry as shown.

RN 860010-66-8 CAPLUS

CN 2H-Benzimidazol-2-one, 5-[(E)-(3-fluorodibenz[b,e]oxepin-11(6H)-ylidene)methyl]-1,3-dihydro-1-[(3R)-1-methyl-3-pyrrolidinyl]- (CA INDEX NAME)

Absolute stereochemistry.

Double bond geometry as shown.

RE.CNT 3 THERE ARE 3 CITED REFERENCES AVAILABLE FOR THIS RECORD ALL CITATIONS AVAILABLE IN THE RE FORMAT

L10 ANSWER 3 OF 7 CAPLUS COPYRIGHT 2008 ACS on STN

AN 1997:715726 CAPLUS <<LOGINID::20080319>>

DN 128:55376

TI Electrophotographic photoreceptor with improved charging stability and process cartridge and electrophotographic apparatus containing it

IN Kikuchi, Norihiro; Maruyama, Akio

PA Canon K. K., Japan

SO Jpn. Kokai Tokkyo Koho, 23 pp. CODEN: JKXXAF

DT Patent

LA Japanese

FAN.CNT 1

r AN.	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
ΡI	JP 09281729 JP 3273543	A B2	19971031 20020408	JP 1996-114403	19960412
PRAI GI	JP 1996-114403	22	19960412		

$$Ar^{1}$$

$$Ar^{2}$$

$$N-Ar^{3}-CH$$

$$X$$

$$R^{5}$$

$$R^{6}$$

$$R^{7}$$

$$R^{8}$$

$$CH-CH$$

$$0$$

$$R^{9}$$

$$R^{10}$$

$$R^{11}$$

$$R^{12}$$

$$II$$

$$R^{11}$$

- AB The photoreceptor has a photosensitive layer containing a charge-generating agent, an arylamine I hole-transporting agent [Ar1-Ar3 = (substituted) aromatic ring, (substituted) heterocycle; R1-R2 = H, (substituted) alkyl, (substituted) alkoxy, halo; X = O, S, CH2CH2, CH:CH, :CR3R4; R3-R4 = H, (substituted) alkyl], a stilbenequinone II electron-transporting agent [R5-12 = (substituted) alkyl, (substituted) aralkyl, (substituted) aryl, (substituted) alkoxy, NO2, cyano, halo], and a binder resin. The process cartridge and the electrophotog. apparatus contain the photoreceptor. The photoreceptor showed improved charging stability and high sensitivity.

 II 120259-83-8
- CN 1-Naphthalenamine, 4-[(10,11-dihydro-5H-dibenzo[a,d]cyclohepten-5-ylidene)methyl]-N,N-bis(4-methylphenyl)- (CA INDEX NAME)

- L10 ANSWER 4 OF 7 CAPLUS COPYRIGHT 2008 ACS on STN
- AN 1996:609662 CAPLUS <<LOGINID::20080319>>
- DN 125:261165
- TI Electrophotographic photoreceptor
- IN Hashimoto, Mitsuru
- PA Matsushita Electric Ind Co Ltd, Japan
- SO Jpn. Kokai Tokkyo Koho, 74 pp.
 - CODEN: JKXXAF
- DT Patent
- LA Japanese

FAN.CNT 1

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
 JP 08179527 JP 1994-322853	A	19960712 19941226	JP 1994-322853	19941226

$$(R^1)_m 1$$
 $C = C \xrightarrow{n_2} R^4$
 $R^2 \xrightarrow{R^3}$

AB The electrophotog. photoreceptor comprises on its elec. conductive substrate a photosensitive layer containing I (R1 = amino, alkyl, cycloalkyl, hydroxy, acyl, carboxyl and its ester, aromatic hydrocarbon group, halo, CN, NO2; R2 and R3 may be same or different; R4 = aromatic hydrocarbon group, aromatic heterocyclic group; R3 and R4 may form a ring; m = 0-7; n = 1, 2). This photoreceptor shows good durability and high sensitivity.

Ι

IT 181930-69-8

RL: DEV (Device component use); USES (Uses)
 (electrophotog. photoreceptor from)

RN 181930-69-8 CAPLUS

CN 9,10-Anthracenedione, 2-[(10,11-dihydro-5H-dibenzo[a,d]cyclohepten-5-ylidene)methyl]- (CA INDEX NAME)

L10 ANSWER 5 OF 7 CAPLUS COPYRIGHT 2008 ACS on STN

AN 1996:113269 CAPLUS <<LOGINID::20080319>>

DN 124:160306

TI Electrophotographic photoreceptor and apparatus using the same

IN Kanamaru, Tetsuo; Nakada, Koichi; Kikuchi, Norihiro

PA Canon Kk, Japan

SO Jpn. Kokai Tokkyo Koho, 34 pp.

CODEN: JKXXAF

DT Patent

LA Japanese

FAN.CNT 1

 - - ·				
PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
 JP 07281462 JP 1994-93884	А	19951027 19940408	JP 1994-93884	19940408

AB In the electrophotog. photoreceptor having a photosensitive layer on a conductive support, the photosensitive layer contains a styryl compound I (X = CH2CH2, HC:CH; R1,2 = alkyl, aralkyl, aromatic, heterocyclyl; R3,4 = H, halo, alkyl, alkoxy; Ar1 = aromatic, heterocyclyl) and a triaryl compound Ar2Ar3NAr4 (Ar2,3,4 = Ph, in which ≥ 2 of Ph contains C2-4 alkyl) as a charge-transporting substance. The electrophotog. photoreceptor provided a charge-transporting layer free of crack and crack formation. IT 120259-83-8

120259-83-8 RL: MOA (Modifier or additive use); TEM (Technical or engineered material use); USES (Uses)

(charge-transporting substance in electrophotog. photoreceptor)

RN 120259-83-8 CAPLUS

CN 1-Naphthalenamine, 4-[(10,11-dihydro-5H-dibenzo[a,d]cyclohepten-5-ylidene)methyl]-N,N-bis(4-methylphenyl)- (CA INDEX NAME)

- L10 ANSWER 6 OF 7 CAPLUS COPYRIGHT 2008 ACS on STN
- AN 1992:184238 CAPLUS <<LOGINID::20080319>>
- DN 116:184238
- TI Organic electroluminescent device
- IN Ota, Masabumi; Onuma, Teruyuki; Kawamura, Fumio; Sakon, Hirota; Takahashi, Toshihiko
- PA Ricoh Co., Ltd., Japan
- SO Jpn. Kokai Tokkyo Koho, 9 pp.

CODEN: JKXXAF

DT Patent LA Japanese

FAN.CNT 1

ran.cni i						
	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE	
ΡI	JP 03200889	 A	19910902	JP 1990-49796	19900228	
	JP 2897138	В2	19990531			
	US 5093210	A	19920303	US 1990-544905	19900628	
PRAI	JP 1989-168826	A1	19890630			
	JP 1989-168827	A1	19890630			
	JP 1990-49796	A	19900228			
OS	MARPAT 116:184238					
GT						

$$\begin{array}{c} {\rm R}^1 \\ {\rm R}^2 \\ {\rm N-Ar_1-CH} \end{array} \qquad \begin{array}{c} {\rm R}^3 \\ {\rm X} \\ {\rm R}^4 \\ {\rm I} \end{array}$$

AB The device, suited for use in large-area displays, comprises ≥1 organic compound layer sandwiched between a pair of electrodes, wherein ≥1 layer consists of R1R2NAr1(CH:CH)nAr2 or I [R1-5 = (un)substituted alkyl, carbocyclic aromatic ring, heterocyclic aromatic ring; R1, R2 may form a ring; Ar1-2 = (un)substituted carbocyclic aromatic ring, heterocyclic aromatic ring; n = 1-3; X = C2H4,CH:CH,O,S,NR5].

IT 140188-77-8

RL: PRP (Properties)

(hole-transporting layer from, for organic electroluminescent device)

RN 140188-77-8 CAPLUS

CN 1-Naphthalenamine, 4-[(10,11-dihydro-5H-dibenzo[a,d]cyclohepten-5-ylidene)methyl]-N,N-diphenyl- (CA INDEX NAME)

AN 1989:202799 CAPLUS <<LOGINID::20080319>>

DN 110:202799

TI Organic electrophotographic photoreceptor containing charge-transporting triarylamine

IN Goto, Satoshi; Sasaki, Osamu; Suzuki, Shinichi

PA Konica Co., Japan

SO Jpn. Kokai Tokkyo Koho, 11 pp. CODEN: JKXXAF

DT Patent

LA Japanese

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE	
	JP 63235945 JP 1987-70569	А	19880930 19870324	JP 1987-70569	19870324	

$$(CH_2)_n C = C + CH = CH + Z - N < R^3$$

$$R^2$$

AB The title photoreceptor has a photosensitive layer containing a compound of the formula I (R1 = H, halo, alkyl, alkoxy; R2 = H, alkyl, aryl; R3, R4 = aryl; Z = phenylene, naphthylene; D = 0, 1, 2).

IT 120259-83-8

RL: USES (Uses)

(electrophotog. charge-transporting substance)

Ι

RN 120259-83-8 CAPLUS

CN 1-Naphthalenamine, 4-[(10,11-dihydro-5H-dibenzo[a,d]cyclohepten-5-ylidene)methyl]-N,N-bis(4-methylphenyl)- (CA INDEX NAME)